What Is Claimed Is:

1. A method for detecting a speed of a pump motor of a hydraulic pump system, the pump system having a pump driven by the pump motor to deliver hydraulic fluid into a pump reservoir, comprising:

detecting a pressure signal representing a fluiddelivery activity of the pump;

determining pressure peaks within the pressure signal; and

determining the speed of the pump motor based on the frequency of the pressure peaks.

- 2. The method as recited in claim 1, further comprising: filtering out high-frequency interference component of the pressure signal.
- 3. The method as recited in claim 2, further comprising: filtering out low-frequency interference component of the pressure signal.
- 4. The method as recited in claim 3, wherein the low-frequency interference component is a DC-voltage component.
- 5. The method as recited in claim 3, further comprising:
 processing the pressure signal with a comparator
 circuit to obtain a square-wave signal, the square-wave
 signal having a frequency proportional to the pump motor
 speed.
- 6. The method as recited in claim 4, further comprising: processing the pressure signal with a comparator circuit to obtain a square-wave signal, the square-wave

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signal having a frequency proportional to the pump motor speed.

- 7. The method as recited in claim 3, wherein the pressure signal represents the pressure of the pump reservoir.
- 8. The method as recited in claim 4, wherein the pressure signal represents the pressure of the pump reservoir.
- 9. The method as recited in claim 5, wherein the pressure signal represents the pressure of the pump reservoir.
- 10. The method as recited in claim 6, wherein the pressure signal represents the pressure of the pump reservoir.
- 11. A device for detecting a speed of a pump motor of a hydraulic pump system, the pump system also having a pump driven by the pump motor to deliver hydraulic fluid into a pump reservoir, comprising:

a sensor arrangement for detecting a pressure signal representing a fluid-delivery activity of the pump, and for determining pressure peaks within the pressure signal; and

a computing arrangement for determining the speed of the pump motor based on the frequency of the pressure peaks.

12. The device as recited in claim 11, further comprising:

a low-pass filter for filtering high-frequency interference component of the pressure signal.

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13. The device as recited in claim 12, further comprising:

a high-pass filter for filtering low-frequency interference component of the pressure signal.

14. The device as recited in claim 13, further comprising:

a comparator circuit for generating a square-wave signal from the filtered pressure signal, wherein a frequency of the square-wave signal is proportional to the speed of the pump motor.

- 15. The device as recited in claim 11, wherein the pressure signal represents the pressure of the pump reservoir.
- 16. The device as recited in claim 13, wherein the pressure signal represents the pressure of the pump reservoir.
- 17. The device as recited in claim 14, wherein the pressure signal represents the pressure of the pump reservoir.

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